' AMENDMENT UNDER 37 C.F.R. § 1.116 U.S. Appln. No. 09/888,530 (*Q65159*)

## AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

## LISTING OF CLAIMS:

1. (currently amended): A light pipe comprising:

a plate-like member including light output means formed in an upper surface of said plate-like member so that light incident on an incidence side surface of said plate-like member is exited from a lower surface of said plate-like member through said light output means;

an adhesive layer having a refractive index lower than that of said plate-like member; and an anti-reflection layer made of a circular polarizer and bonded to a lower surface of said plate-like member through said adhesive layer,

wherein said light output means formed in said upper surface of said plate like member is constituted by a plurality of prismatic structures each shaped like a triangle in section and each having an optical path changing face inclined at an inclination angle in a range of from 35 to 48 degrees with respect to a reference plane of said lower surface of said plate like member

wherein said light output means formed in said upper surface of said plate-like member is formed by a repetitive structure of prismatic structures each having an optical path changing face and a long side face and arranged at intervals of a pitch of from 50 µm to 1.5 mm; each of said optical path changing faces is formed of a slope inclined downward from said incidence side surface to a counter end surface opposite thereto at an inclination angle in a range of from 35 to 48 degrees with respect to a reference plane of said lower surface of said plate-like member; each

with respect to said reference plane; a difference between inclination angles of any two long side faces is not larger than 5 degrees over a surface of said plate-like member; a difference between said inclination angles of adjacent ones of said long side faces is not larger than 1 degree; and a projected area of said long side faces on said reference plane is not smaller than 5 times as large as that of said optical path changing faces on said reference plane.

- 2. (previously presented): A light pipe according to claim 1, wherein said antireflection layer made of a circular polarizer includes a quarter-wave plate, and a linear polarizer.
- 3. (previously presented): A light pipe according to claim 2, wherein said antireflection layer made of a circular polarizer further includes a half-wave plate.
- 4. (previously presented): A light pipe according to claim 3, wherein a maximum intensity of light exited from said lower surface of said plate-like member in a plane perpendicular to reference planes of both said lower surface and said incidence side surface of said plate-like member is inclined at an angle of not larger than 30 degrees with respect to a normal to said reference plane of said lower surface of said plate-like member.
  - 5. (canceled).
  - 6. (canceled).
- 7. (previously presented): A light pipe according to claim 1, wherein ridgelines defining edges of said optical path changing faces are inclined within a range of ±30 degrees with respect to a reference plane of said incidence side surface.

- 8. (original): A light pipe according to claim 1, wherein said refractive index of said adhesive layer for bonding said anti-reflection layer to said lower surface of said plate-like member is lower than that of said plate-like member by 0.01 or more.
- 9. (original): A light pipe according to claim 1, wherein said refractive index of said adhesive layer for bonding said anti-reflection layer to said lower surface of said plate-like member is not higher than 1.47.
- 10. (original): A light pipe according to claim 1, wherein said adhesive layer for bonding said anti-reflection layer to said lower surface of said plate-like member is constituted by a tacky layer.
- 11. (original): A plane light source unit wherein at least one light source is disposed on one side surface of a light pipe defined in claim 1.
- 12. (original): A reflection type light-crystal display device wherein a liquid-crystal cell including a reflection layer is disposed on a light exit side of a plane light source unit defined in claim 11.
  - 13. (currently amended): A light pipe comprising:

a plate-like member including light output means formed in an upper surface of said plate-like member so that light incident on an incidence side surface of said plate-like member is exited from a lower surface of said plate-like member through said light output means;

an adhesive layer having a refractive index lower than that of said plate-like member; and a light-diffusing layer including fine prismatic structures formed in a surface thereof and bonded to said lower surface of said plate-like member through said adhesive layer,

wherein said light output means formed in said upper surface of said plate-like member is constituted by a plurality of sectionally triangular prismatic structures having optical path changing faces each inclined at an inclination angle in a range of from 35 to 48 degrees with respect to a reference plane of said lower surface

wherein said light output means formed in said upper surface of said plate-like member is formed by a repetitive structure of prismatic structures arranged at intervals of a pitch of from 50 µm to 1.5 mm and each having an optical path changing face and a long side face; each of said optical path changing faces is constituted by a slope inclined downward from said incidence side surface side to a counter end side at an inclination angle in a range of from 35 to 48 degrees with respect to a reference plane of said lower surface so that a projected width of each of said slopes on said reference plane is not larger than 40 µm; and each of said long side faces is constituted by a slope inclined at an inclination angle in a range of from 0 to 10 degrees with respect to said reference plane so that an angle difference between any two long side faces over a surface of said plate-like member is not larger than 5 degrees, so that a difference between inclination angles of adjacent ones of said long side faces is not larger than 1 degree and so that a projected area of said long side faces on said reference plane is not smaller than 5 times as large as a projected area of said optical path changing faces on said reference plane.

- 14. (original): A light pipe according to claim 13, wherein said light-diffusing layer is constituted by a fine prismatic-structure layer provided on a transparent film.
- 15. (original): A light pipe according to claim 13, wherein said light-diffusing layer further includes an anti-reflection layer provided on said fine prismatic-structure layer.

- 16. (original): A light pipe according to claim 13, wherein a direction of maximum intensity of light exited from said lower surface in a plane perpendicular both to a reference plane of said lower surface of said plate-like member and to a reference plane of said incidence side surface of said plate-like member is within 30 degrees with respect to a normal to said reference pane of said lower surface.
  - 17. (canceled).
  - 18. (canceled).
- 19. (previously presented): A light pipe according to claim 13, wherein ridgelines defining edges of said optical path changing faces are in a range of ±30 degrees with respect to a reference plane of said incidence side surface.
- 20. (original): A light pipe according to claim 13, wherein the refractive index of said adhesive layer for bonding said light-diffusing layer to said lower surface of said plate-like member is lower by a value of from 0.01 to 0.2 than that of said plate-like member; and a refractive index of aid light-diffusing layer is higher than that of said adhesive layer.
- 21. (original): A light pipe according to claim 13, wherein the refractive index of said adhesive layer for bonding said light-diffusing layer to said lower surface of said plate-like member is not higher than 1.47.
- 22. (previously presented): A light pipe according to claim 13, wherein said adhesive layer for bonding said light-diffusing layer to said lower surface of said plate-like member is constituted by a tacky layer.

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- 23. (original): A plane light source unit wherein at least one light source is disposed on one side surface of a light pipe defined in claim 13.
- 24. (original): A reflection type liquid-crystal display device wherein a liquid-crystal cell including a reflection layer is disposed on a light exit side of a plane light source unit defined in claim 23.